Working Draft - For Preliminary Review Purposes Only

Table 1 - Level I Retrofit Project Ranking Criteria and Scoring

Criteria		Scoring		
Type	**Name**	**Values**	**Description**	**Information Sources Used for Scoring**
Feasibility	Infiltration Feasibility [a]	3	Good shallow infiltration feasibility	Infiltration Feasibility Assessment (Aspect 2014)
		2	Moderate shallow (i.e., underdrains may be needed) or good deep infiltration feasibility	
		1	Moderate deep infiltration feasibility or limited shallow infiltration feasibility (i.e., underdrains and/or impermeable liners likely needed)	
		0	Shallow and deep infiltration infeasible	
	Site Slope [a]	3	Flat (0-3%)	GIS analysis, windshield survey
		2	Moderate (3-5%)	
		1	Steep (>5%)	
Risk	Environment [b]	3	Sites located outside creek buffers and at least 100 feet from existing wells, steep slopes, and critical areas; or project would restore creek buffer from a degraded condition	GIS analysis, windshield survey
		2	Sites located in creek buffer or less than 100 feet from above elements, risks considered minor and can be mitigated with proper design, construction, and maintenance	
		1	Sites located in creek buffer or less than 100 feet from above elements, high environmental risk	
Benefit	Subbasin Retrofit Need [a,c]	3	High (subbasin unit area runoff > 0.1 cfs/acre), indicates relatively high need for flow control	HSPF Modeling (MGS 2014)
		2	Moderate (subbasin unit area runoff between 0.05-0.1 cfs/acre)	
		1	Low (subbasin unit area runoff < 0.05 cfs/acre), indicates relatively low need for flow control	
		0	Closed depression	
	Connectivity to Storm Conveyance System	3	Runoff contributes to major stormwater conveyance trunk line or creek drainage within 500 feet of site boundary	GIS analysis, windshield survey
		2	Runoff contributes to major stormwater conveyance trunk line within 1,000 feet of site boundary	
		1	Disconnected (i.e., runoff sheet flows off site and infiltrates, site lies within closed depression, connectivity controlled by pumps, etc.)	
		0	Closed depression	

Notes

a - For projects with multiple possible scores, the dominant score was used (i.e. if a project covered 500 feet of moderate slope [score of 2] and 400 feet of steep slope [score of 1], an overall score of 2 was assigned).

b - Environmental Risk was assessed based on the City of Burien's creek buffer GIS data layer and 100 foot buffers developed in GIS around floodplains, aquifer recharge areas, landslide hazards, seismic hazards, and wetlands.

c - Subbasin Retrofit Need was based on modeled unit area runoff rates, representing the ratio of the modeled 2-year recurrence interval peak flow to the tributary drainage area at the subbasin outlet. Modeling was based on existing conditions.